Exhibit 2

Infringement Claim Chart for U.S. Pat. No. US7130430B2 v. Creative Technology Ltd. ("Defendant")

Claim 2	Evidence				
2. A speaker system for producing	The Creative Technology Ltd. soundbar is a speaker system for producing localized regions of sound.				
localized regions of sound comprising:	For example, the Creative Technology Ltd. soundbar produces a surround sound effect. The surround sound effect causes a listener facing the soundbar to perceive that sound emanating from the soundbar is originating at various locations in the hall that can be behind and to the left of the listener, referred to as surround left, and at another location behind and to the right of the listener, referred to as surround right.				
		Surround sound envelopment without installation of multiple satellite speakers at			
		various corners of the hall			

Richer sound, and deeper bass that built-in speakers can't offer **DOLBY AUDIO** We've partnered with Dolby on various projects, working closely with them on surround acoustics, to design products that let you bring the cinema home. Jointly developed by Creative and Dolby Laboratories, this soundbar is engineered with personal involvement by Dolby's experts and their innovative acoustics concept. Built with audiophile-grade components and our audio engineering know-hows, expect powerful and cinematic audio with that all-familiar surround sound akin to a real cinema, at the comfort of your home. Source: https://en.creative.com/soundbars/ a multiplicity of The Creative Technology Ltd. soundbar includes a multiplicity of audio frequency audio frequency speakers. speakers;

For example, the Creative Technology Ltd. soundbar includes 7-Channel multiple audio speakers positioned along a front face of the soundbar.

- ► First-of-its-kind Dolby Atmos® Speaker System soundbar with expertly-tuned surround acoustics by Dolby
- ► 7-channel, Class-D audiophile-grade amps
- ► Intelligent dialog enhancing algorithms for clear and full-bodied dialogs
- ► Built-in Super X-Fi Headphone Holography with SXFI-out support (via headphones)
- ► Also works with <u>SXFI THEATER</u> headphones
- Customizable EQ presets: Movies, Music, Night, Neutral, SuperWide
- ► Wireless compact 10" driver subwoofer
- Future-proofed and compatible with the latest 8K TV

Source: https://en.creative.com/soundbars/

at least one defined sound target spaced from each of the speakers of the multiplicity of speakers, The Creative Technology Ltd. soundbar has at least one defined sound target spaced from each of the speakers of the multiplicity of speakers. Each speaker has a means for applying a time varying audio drive voltage which is substantially identical, except that each audio drive voltage is offset in time by an amount which is related to the distance between each speaker and the defined sound target. So that substantially identical sound from each speaker reaches the sound target at the same time.

wherein each speaker has a means for applying a time varying audio drive voltage which is substantially identical, except that each audio drive voltage is offset in time by an amount which is related to the distance between each speaker and the defined sound target, so that substantially identical sound from each speaker reaches the sound target at the same time:

For example, each of the Creative Technology Ltd. speakers is connected to an audio amplifier. A surround left channel signal is provided to each speaker via the speaker's respective amplifier. The surround left channel is delayed slightly for speakers on the listener's left compared to speakers on the listener's right. The amount of delay is such that sound waves emanating from each of the speakers reach the surround left location at the same time, thereby interfering constructively to produce a resultant sound wave having peak spatial amplitude at the surround left location. When this wave reflects back to the listener, the listener perceives that the sound originated from the surround left location.

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Source: https://en.creative.com/soundbars/

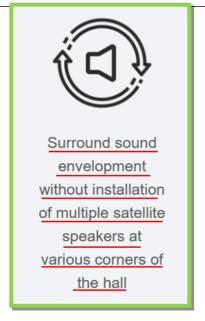
at least a first defined sound target and a second defined sound target, the second sound target being spaced from the first sound target. and the first sound target and the second sound target being spaced from each of the speakers of the multiplicity of speakers,

The Creative Technology Ltd. soundbar has at least a first defined sound target and a second defined sound target. The second sound target is spaced from the first sound target. The first sound target and the second sound target are spaced from each of the speakers.

For example, the Creative Technology Ltd. Soundbar surrounds to various locations that can be left location is at a rear position on a left-side wall of a nominally sized hall or room. The surround right location is at a rear position on the right-side wall of the room.

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and wherein the means for applying a time varying audio drive voltage comprises: at least a first audio source which is offset in time by an amount which is

The means for applying a time varying audio drive voltage comprises at least a first audio source which is offset in time by an amount which is related to the distance between each speaker and the first defined sound target.

For example, a delay is added to the surround left channel (e.g. first audio source) before it is applied to a speaker on the left-side of the soundbar, as viewed from the listener's position. The delay relates to the distance between the speaker and the surround left location in the nominally sized room, whereby the speaker closest to the surround left location has the most delay. This enables the soundbar to produce directional audio.



DOLBY AUDIO

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Dolby on various
projects, working
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Source: https://en.creative.com/soundbars/

at least a second audio source which is offset in time by an amount which is related to the distance between each speaker and the second defined The Creative Technology Ltd. soundbar includes at least a second audio source which is offset in time by an amount which is related to the distance between each speaker and the second defined sound target. The sum of the first audio source and the second audio source is used to produce the time varying audio drive voltage. Substantially identical sound from the first audio source signal reaches the first sound target at the same time, and substantially identical sound from the second audio source signal reaches the second target at the same time.

For example, a delay is added to the surround right channel (e.g. second audio source) before it is applied to a speaker on the right-side of the soundbar. The delay relates to

sound target wherein a sum of the first audio source which is offset in time and the second audio source which is offset in time is used to produce the time varying audio drive voltage so that substantially identical sound from the first audio source signal reaches the first sound target at the same time, and substantially identical sound from the second audio source signal reaches the second target at the same time.

the distance between the speaker and the surround right location, whereby the speaker closest to the surround right location has the most delay. Each speaker is provided, via its amplifier, with a surround left channel signal and a surround right channel signal, each signal having a respective delay. The signals are added together before being input to the respective amplifier. Consequently, each speaker emits a sound wave comprising audio from the surround left channel and from the surround right channel, the audio from each channel having an appropriate amount of delay such that the surround left audio reaches the surround left location at the same time as the surround right audio reaches the surround right location.

Surround sound

Surround sound
envelopment
without installation
of multiple satellite
speakers at
various corners of
the hall

Richer sound, and deeper bass that built-in speakers can't offer

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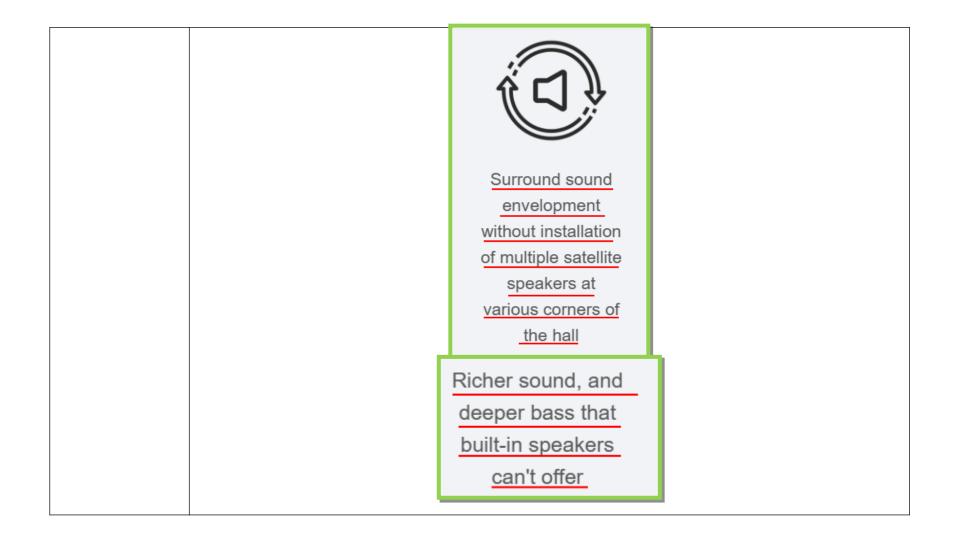
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Infringement of the '430 patent				
Claim #3	Evidence			
3. A speaker system for producing	The Creative Technology soundbar is speaker a system for producing localized regions of sound.			
localized regions of sound comprising:	For example, the soundbar produces a surround sound effect. The surround sound effect causes a listener facing the soundbar to perceive that sound emanating from the soundbar is originating at a location behind and to the left of the listener, referred to as surround left, and at another location behind and to the right of the listener, referred to as surround right.			



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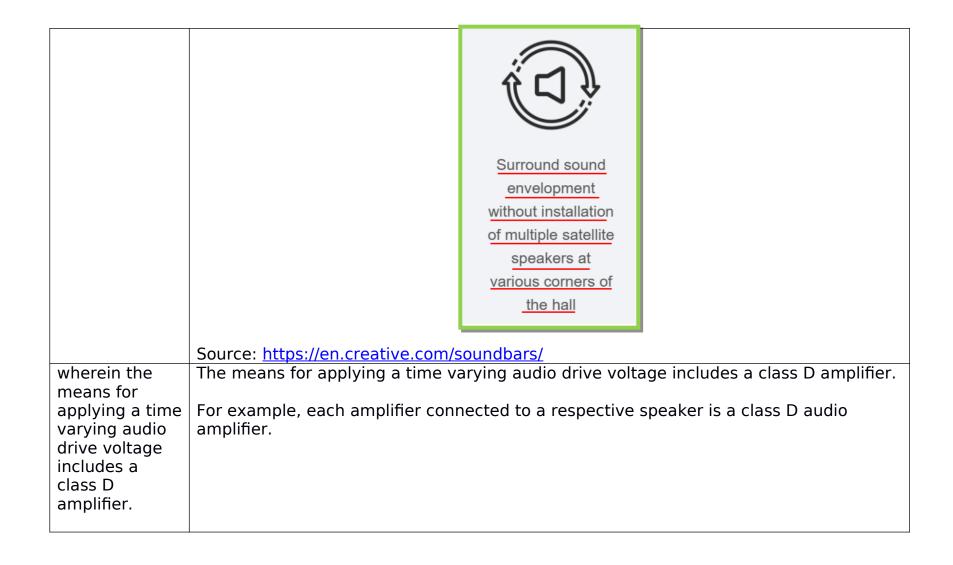
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	Source: https://en.creative.com/soundbars/				
at least one defined sound target spaced from each of the speakers of the multiplicity of speakers, wherein each speaker has a means for	The Creative Technology soundbar has at least one defined sound target spaced from each of the speakers of the multiplicity of speakers. Each speaker has a means for applying a time varying audio drive voltage which is substantially identical, except that each audio drive voltage is offset in time by an amount which is related to the distance between each speaker and the defined sound target. So that substantially identical sound from each speaker reaches the sound target at the same time. For example, each of the speakers is connected to an audio amplifier. A surround left channel signal is provided to each speaker via the speaker's respective amplifier. The surround left channel is delayed slightly for speakers on the listener's left compared to				

applying a time varying audio drive voltage which is substantially identical. except that each audio drive voltage is offset in time by an amount which is related to the distance between each speaker and the defined sound target, so that substantially identical sound from each speaker reaches the sound target at the same time; and

speakers on the listener's right. The amount of delay is such that sound waves emanating from each of the speakers reaches the surround left location at the same time, thereby interfering constructively to produce a resultant sound wave having a peak spatial amplitude at the surround left location. When this wave reflects back to the listener, the listener perceives that the sound originated from the surround left location.

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Source: https://en.creative.com/soundbars/

Accused Product List

CREATIVE SXFI CARRIER

SOUND BLASTER KATANA V2

SOUND BLASTER KATANA V2X

SOUND BLASTERX KATANA

CREATIVE STAGE 360

CREATIVE STAGE V2

CREATIVE STAGE

CREATIVE STAGE SE

CREATIVE STAGE AIR V2

CREATIVE STAGE AIR

Sound Blaster Katana SE

References

[1] CREATIVE SXFI CARRIER

https://us.creative.com/p/speakers/creative-sxfi-carrier

[2] SOUND BLASTER KATANA V2

https://us.creative.com/p/speakers/sound-blaster-katana-v2

[3] SOUND BLASTER KATANA V2X

https://us.creative.com/p/speakers/sound-blaster-katana-v2x

[4] SOUND BLASTERX KATANA

https://us.creative.com/p/speakers/sound-blasterx-katana

[5] CREATIVE STAGE 360

https://us.creative.com/p/speakers/creative-stage-360

[6] CREATIVE STAGE V2

https://us.creative.com/p/speakers/creative-stage-v2

[7] CREATIVE STAGE

https://us.creative.com/p/speakers/creative-stage

[8] CREATIVE STAGE SE

https://us.creative.com/p/speakers/creative-stage-se

[9] CREATIVE STAGE AIR V2

https://us.creative.com/p/speakers/creative-stage-air-v2

[10] CREATIVE STAGE AIR

https://en.creative.com/soundbars/

[11] Sound Blaster Katana SE

https://us.creative.com/p/speakers/sound-blaster-katana-se